

IN THE CLAIMS:

1. (Original) A sensor head, comprising:

photosensing means for receiving luminous light from a light source and transforming the light received into an electric signal indicative of the angular distribution of the luminance of the light source,

5 wherein said photosensing means comprises a multiplicity of linear image sensors each having a light receiving face and arranged in parallel in the direction of the axis of an imaginary semi-cylindrical surface such that the normal of each light receiving face passes through said axis.

2. (Currently Amended) A sensor head comprising:

photosensing means for receiving luminous light and transforming the light received into ~~an electric signal~~ electrical signals that vary in accordance with the brightness of the light; and

5 an optical system having optical paths for receiving, at the light receiving faces thereof, rays of light, emitted from a linear arrangement of light sources, incident vertically upon a predetermined position on a virtual cylindrical surface having a central axis ~~into different radial directions perpendicular to linear light source;~~ and for transmitting said light received to said photosensing means ~~indicative of angular distribution of the luminance of said light sources that~~  
10 receives, said photosensing means including linear image sensors disposed extending in parallel with the central axis of the virtual cylindrical surface for receiving the light transmitted by the

optical system.

3. (Canceled)

4. (Original) A luminance distribution measurement apparatus for measuring the luminance of an object or a line of objects, comprising:

a sensor head according to claim 1;

an image processing device for processing the information output from said sensor head;

5 a memory for storing the information output from said image processing device;

means for moving said sensor head relative to an object under measurement;

a data processing unit; and

a display device,

wherein said sensor head is movable to a position where the axis of said imaginary semi-cylinder  
10 associated with said sensor head is aligned with said line of objects under measurement.

5. (Original) A luminance distribution measurement apparatus for measuring the luminance of an object or a line of objects, comprising:

a sensor head according to claim 2;

an image processing device for processing the information output from said sensor head;

5 a memory for storing the information output from said image processing device;

means for moving said sensor head relative to an object under measurement;

a data processing unit; and

a display device,

wherein said sensor head is movable to a position where the axis of said imaginary semi-cylinder  
10 associated with said sensor head is aligned with said line of objects under measurement.

6.(Canceled)

7. (Original) An unevenness inspection/evaluation apparatus for inspecting/evaluating  
unevenness of displayed image of an object under inspection, comprising:

a luminance distribution measurement apparatus including:

a sensor head according to claim 1;

5 an image processing device for processing the information output from said sensor head;

a memory for storing the information output from said image processing device;

means for moving said sensor head relative to an object under measurement;

a data processing unit; and

a display device,

10 said sensor head movable to a position where the axis of said imaginary semi-cylinder or the  
center of said imaginary semi-sphere associated with said sensor head coincides with said object  
under measurement;

an unevenness analyzer for analyzing unevenness of luminance of said object appearing  
on a display based on the information stored in said memory of said luminance distribution

15 measurement apparatus.

8. (Original) An unevenness inspection/evaluation apparatus for inspecting/evaluating unevenness of displayed image of an object under inspection, comprising:

a luminance distribution measurement apparatus including:

a sensor head according to claim 2;

5 an image processing device for processing the information output from said sensor head;

a memory for storing the information output from said image processing device;

means for moving said sensor head relative to an object under measurement;

a data processing unit; and

a display device,

10 said sensor head movable to a position where the axis of said imaginary semi-cylinder or the center of said imaginary semi-sphere associated with said sensor head coincides with said object under measurement;

an unevenness analyzer for analyzing unevenness of luminance of said object appearing on a display based on the information stored in said memory of said luminance distribution

15 measurement apparatus.

9. (Canceled)